

ABSTRACT OF THE DISCLOSURE

A base station, which communicates with a radio terminal, has an adaptive antenna; and a control portion for controlling a directivity of said adaptive antenna, wherein said adaptive antenna includes a plurality of antenna elements, and phase shifters for changing phase of each signal to be transmitted from the plurality of antenna elements, and said control portion includes a receiving condition acquisition portion for acquiring a signal concerning a receiving condition of said radio terminal from said radio terminal, and a directivity control portion for controlling the directivity of said adaptive antenna to be varied based on the acquired signal concerning the receiving condition of said radio terminal. Therefore, the base station can recognize the receiving condition of the radio terminal based on the signal transmitted from the radio terminal so as to properly control directivity of the adaptive antenna.